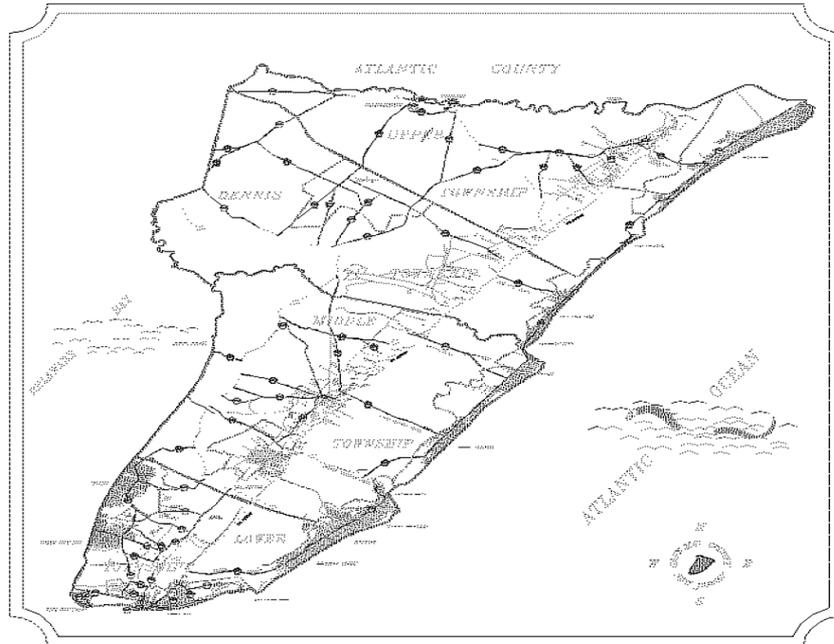


# Cape May County

2013 Transportation Conference  
Cape May County Infrastructure Update

# County Infrastructure

- 23 Bridges
- 5 Commission Bridges
- 210 miles of Roadways
- 110 County Traffic Signals
- Maintain over 120 municipal traffic signals



# October 29, 2012 - SANDY



# Debris Removal



# Landis Avenue (CR619 ) in Whale Beach

Roadway covered with up to 4-  
feet of sand and debris



View from atop of the dune

## Landis Avenue (CR619 ) in Whale Beach

Sand covered from 15<sup>th</sup> Street in SIC to Prescott Ave in UT



In between dune crossovers,  
deep pockets of water

**Ocean Drive  
(CR619) at  
Townsend's Inlet**

Waves crashing  
over the seawall



# Ocean Drive (CR619) at Townsends Inlet

Portion of Ocean Drive near the south end of the seawall destroyed



## Ocean Drive (CR619) at Townsends Inlet

Waves gouged a 4-foot deep crater in Ocean Drive behind the seawall



# Ocean Drive (CR619) at Townsends Inlet

Other sections of Ocean Drive damaged by wave action



Railing on the approach to the bridge was displaced and undermined



# Storm Damage Restoration Projects

- Ocean Drive (CR619) Roadway Restoration from 4<sup>th</sup> Avenue to Townsends Inlet Bridge in Avalon
- Ocean Drive (CR619) Revetment Wall Restoration and Scour Protection from Corsons Inlet Bridge to Rush Chattin Bridge in Upper Township
- Beach Avenue (CR604) Pavement Restoration from Howard Street to Jefferson Street in Cape May City
- Commonwealth Avenue/Landis Avenue Pavement Restoration from 15<sup>th</sup> Street in Sea Isle City to Jasper Avenue in Upper Township
- Middle Thorofare Bridge North Abutment Slope Restoration and Scour Protection in Lower Township
- Cape Island Creek Tide Control Gate Repairs in Cape May City and West Cape May
- Beach Avenue (CR604) Outfall Pipe Repairs in Cape May City

# Townsend's Inlet Bridge

12/26/2012 Allison

Pier 11 Ocean End



Pier 11 Navigational Channel Face

## Townsend's Inlet Bridge



## Pier 10 Navigational Channel Face



## Pier 10 Ocean End

# Projects currently under Construction

- Landis Avenue (CR619) Resurfacing Improvements in Sea Isle City
- Lincoln Avenue (CR651) Resurfacing Improvements in Cape May Point
- Bayshore Road (CR607) Resurfacing Improvements in Lower Township
- 2012 Miscellaneous Drainage Improvements in Avalon, Cape May City, Dennis Township and Ocean City
- 2012 Pavement Marking Improvements

# JFK Boulevard/Veterans Boulevard (CR625) Improvements



- Roadway and Drainage Improvements on JFK Boulevard (including LaRosa Way) from Landis Avenue to Ludlam Thorofare and Landis Avenue from JFK Blvd to 40<sup>th</sup> Street
- Wider sidewalks with bulb-outs at intersections
- New Traffic Signal at JFK Blvd and Park Avenue and Upgraded Signals at other intersections
- Incorporates streetscaping

# JFK Boulevard/Veterans Boulevard (CR625) Improvements

- Coordinated with Sea Isle City Beach-to-Bay Corridor Program
- 2012 Federal-Aid Local Lead project
- \$ 3,773,000 construction project
- Contractor: Asphalt Paving Systems, Inc. with Delta Line Construction, Inc.
- Designer: Urban Engineers, Inc./Maser Consulting, P.A.
- Inspector: Pennoni Associates, Inc.



# Projects under Design

- Hope Corson Road (CR671) Drainage and Resurfacing Improvements from NJ Route 50 to US Route 9 in Upper Township
- Traffic Signal Improvements at Various Intersections
- Resurfacing Improvements to Indian Trail Road (CR618) from Shunpike Road to US Route 9 and Hand Avenue from Dias Creek Road to Boyd Street in Middle Township – advertisement summer 2013
- Woodbine – Ocean View Road (CR550) and US Route 9 Intersection Improvements in Dennis Township
- Roosevelt Boulevard (CR623) Drainage Improvements in Upper Township
- Landis Avenue (CR619) Outfall Pipe Upgrades and Repairs in Sea Isle City

# Townsend's Inlet Bridge Rehabilitation of Movable and Tollhouse Spans

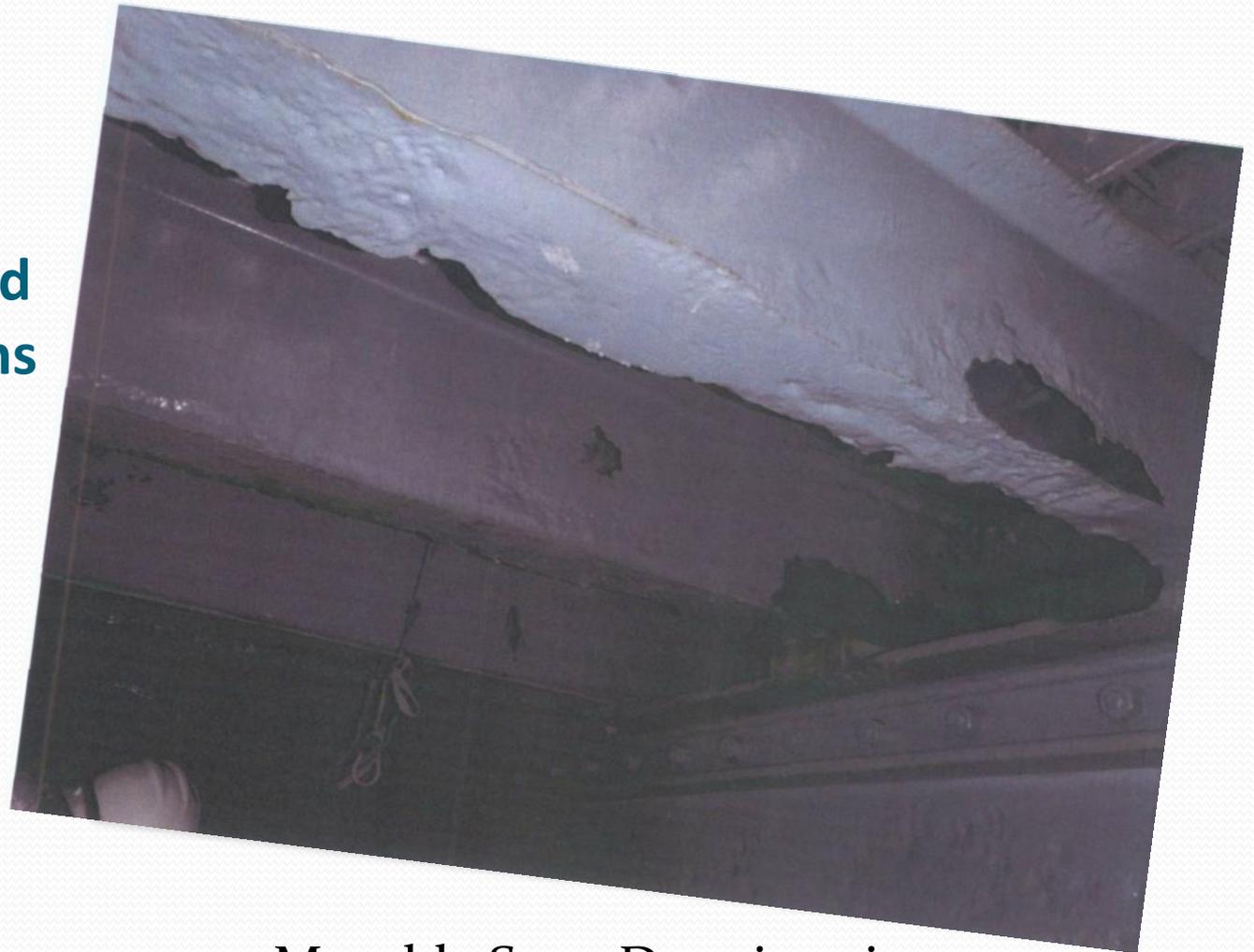
- Currently Load Posted at 3 Tons
- Bridge Originally Designed for 17.5 Ton Truck
- Cleaned and Painted in 2010 using ARRA funds



Movable Span Deterioration

## Townsend's Inlet Bridge Rehabilitation of Movable and Tollhouse Spans

- Modjeski and Masters, Inc. preparing contract documents
- Construction offseason 2013-14
- Partially funded with State-Aid



- Movable Span Deterioration

## 17<sup>th</sup> Street Culvert



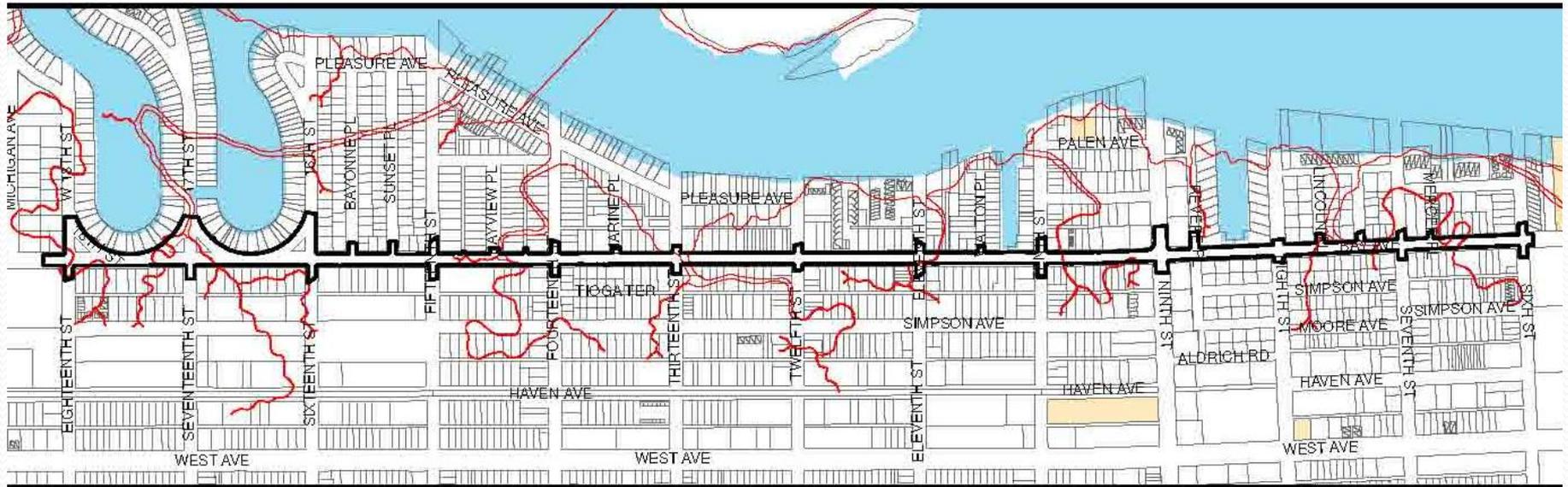
- *Corrugated Aluminum Plate Arch Structure*
- *Minor bridge about 19 ft long*
- *North walkway closed due to deterioration of piles*
- *South walkway exhibits deterioration*
- *Scour hole due to drain pipe next to bridge footing*

## 17<sup>th</sup> Street Culvert

- *French & Parrello Associates, P.A. preparing plans for rehabilitate the culvert*
- *Public Information Meeting will be held to discuss the alternatives studied and construction impacts*
- *Project will require permits or approvals from NJDEP, USACE, USCG, USF&W, NJDOT, Tidelands Council and others.*
- *Require relocation of utility facilities*



# Bay Avenue (CR656) Improvements



*From 6<sup>th</sup> Street to 18<sup>th</sup> Street*

# Bay Avenue (CR656) Improvements

- *\$4,000,000 construction project*
- *\$884,000 in FY2013 Federal Funds*
- *Urban Engineers, Inc., Designers*
- *Construction anticipated in 2013-14*



# Bay Avenue (CR656) Improvements

## *Work Program:*

- *Reconstruct roadbed*
- *Bring the sidewalks into ADA compliance*
- *Review stormwater runoff*
- *Restripe roadway and install crosswalk markings*



# CountyWide Wayfinding

- *Cloud Gehshan Associates, Philadelphia, PA*
- *Examples of their work:*
  - *City of Millville*
  - *Benjamin Franklin Parkway*
  - *Fairmont Park*
  - *Penn's Landing*
  - *Morris County Park Commission*
  - *Longwood Gardens*



# Countywide Wayfinding

- Develop a comprehensive wayfinding signage system that is not only effective for directing visitors and residents, but also preserves and enhances the unique qualities of each community.
- Multi-phase program
- Anticipate the following sign types:
  - Municipality/Community gateway signs
  - Vehicular trailblazers
  - Vehicular directional signs
  - Identification signs for attractions and services
  - Interpretive signs

# Rio Grande Avenue (CR661) Improvements



# Projects Expected to go to Design Phase

- Commonwealth Avenue (CR619) Resurfacing Improvements from Sea Isle City border to Corsons Inlet Bridge in Upper Township
- Corsons Tavern Road (CR628) Resurfacing Improvements from Kings Highway in Dennis Township to US Route 9 in Upper Township – Federal Aid Construction Project
- Lafayette Street (CR633) Resurfacing Improvements from Jackson Street to Sidney Avenue in Cape May City
- Delaware Avenue (CR640) Shoreline Protection in Cape May City
- Cape Island Creek Pipe in Cape May City
- Third Avenue (CR619) Stormwater Infrastructure Improvements in Stone Harbor
- Schellenger Landing Bridge Improvements in Cape May City and Lower Township – State-Aid Construction Project

## Roosevelt Boulevard (CR623) Bridge Deck Rehabilitation

- *Years of repairs has created a checkerboard of patches*
- *Some decks are to be replaced in their entirety*
- *Most decks are to be scarified to below the top rebar and replaced*



## Roosevelt Boulevard (CR623) Bridge Deck Rehabilitation

- *\$5+ million project*
- *Construction anticipated Fall 2014*
- *One lane closure for months*



# THANK YOU

## QUESTIONS?

Contact Cape May County Engineer's Office

At: (609) 465-1035 or at

[countyengineer@co.cape-may.nj.us](mailto:countyengineer@co.cape-may.nj.us)

Or visit us at the County's website at:

[capemaycountygov.net](http://capemaycountygov.net)